



Revision number:3

Purchasing Agent: Debbie Gundersen

Item: MATERIAL SPREADERS, HYDRAULIC DRIVE 7.5 CU. YD.

Vendor: 10965B A G Body Inc.
P O Box 27755
Salt Lake City UT 84127

Internet Homepage: www.agbody.com

Telephone: (801) 975-0400

Fax number: (801) 975-7567

Contact: John LeRoy

Email address: jpl@agbody.com

Brand/trade name: Swenson

Price: See Attached Price List

Terms: Net 30

Effective dates: 08/01/99 through 08/01/01

Days required for delivery: 90 Days ARO

Price guarantee period: 1 Year

Minimum order: 1 Unit

Min shipment without charges:

Other conditions: 1 Year Renewal Option

REVISION #3: REVISED PRICING.

This contract covers only those items listed in the price schedule. It is the responsibility of the agency to ensure that other items purchased are invoiced separately. State agencies will place orders directly with the vendor (creating a PG in Finet) and make payments for the same on a PV referencing the original PG. Agencies will return to the vendor any invoice which reflects incorrect pricing.



- 1- Material spreader, hydraulic drive 7.5. cu. yd. capacity for mounting in 14 ft. long 9 cu. yd. dump body. Construction is 10 gauge with 7 longitudinal (\$5,795.81/each) delivered and installed.

GENERAL SPECIFICATIONS:

The spreaders are to be new units of current model. The equipment is to meet the following minimum specifications but is not limited as to features furnished by the manufacturer. The equipment is to have all standard features. The equipment is to be delivered assembled and ready for operation. (Ladder and spinner chute may be removed by shipping, but must be installed after delivery.)

A pilot review will be required at the manufacturer's factory prior to manufacturing of remaining spreaders.

DETAIL SPECIFICATIONS:

- Dimensions: Capacity - 7.5 cu. yd. struck, minimum.
Length, inside - approximately 13 ft.
Length outside front to latch bar - 13 ft. 6 in. maximum
Height, overall - approximately 50 inch.
Width, inside approximately 78 in.
Width overall (including spill guards) 96 in.
- Body: "V" type hopper body with sides sloped approximately 45 degrees. Body supported by 6 (minimum) triangular braces extending full height. Body to have two braces between sides at top.
- Hopper: The screens will be constructed of (3/8") diameter steel rod laced through screen (1/4" x 1 1/2") flat bar forming an open grating size approximately (2 1/2" x 2 1/2"). The mesh will be reinforced using (2" 3/8") angle iron with the edge supports reinforced with (3/8" x 1") flat bar. Hinges (minimum three) will be placed over the center support in order that the screens may be opened from either side. Four screens minimum per side. Clarification at paper pilot.
- Ladder: To have ladder at right rear of unit. Hand rails to extend 18 in. above hopper. Top of handrails to bend down to top of hopper to have loop at top. (See attached drawings.)
- Step: Top step on left front corner of spreader with the spill guard cut away for accesses to the top, constructed of Grip Strut diamond plank. To have chrome grab handle installed at the front spill protector.
- Spill Guards: To have vertical plat spill guard at rear, bolted to hopper, extending 12 in. above body with cut out for ladder way. Rear spill guard to have three angle iron braces extending 1 ft. down on hopper. To have spill guard at front, sloped forward 30 degrees from vertical to 18 in. above hopper with triangular braces on each side.



To have side spill guards starting at side rails and sloping down at 45 degrees to total outside width of 96 in. To be supported by six gussets on each side.

Discharge Gate: Discharge gate to have screw jack control with crank to be operated from ground level.

Tie Downs: To have 2 tie downs for dump bed installation.
To be load binders attached with 3/8" split links or approved equal to brackets at 2 ft. back from front on each side of hopper. Brackets to extend so that chains are 7 inches outside spill guards (100 inch on center.) Eight feet of 3/8 inc. Grade 70 chain to be supplied for each spreader. Chain to be shipped uncut.

Mounting Bar: To have 4 in. x 4 in. x 1/2 in. angle mounting bar at rear with 1 1/4 in. round pins to engage tail gate latches. Round pins to be cold roll and field welded to fit each individual truck for a precision fit. Mounting bar to be bolted and braced to spreader frame.
Mounting bar must be below truck bed floor so that spillage can be washed from bed. Mounting bar must be wide enough to not allow sander shifting.

Feet: To have 6 in. piece of inverted channel welded to each end of each bottom frame channel.

Lifting Eyes: To have four lifting eyes and one center lifting eye. Manufacture to locate center lifting eye to pick up spreader level.

Conveyor: To be minimum 20 in. wide.
To have 3/16 in. (minimum) abrasion resistant steel floor.
Conveyor to have 3/8 in. x 1 1/2 in. flights at 4 in. spacing, welded to pintle chains.
Chains to be Allied Lock AL667X or equal.
Chains to have full length guards so that only flights are exposed to material in hopper. Sprockets are to be 8 tooth on 2 in. shaft.

Bearing: Are to self aligning. Front (idler shaft) bearing to be slide mounted, spring loaded with adjusting screw so that slack adjustment can be made easily adjusted from rear of spreader. To have 3 in. minimum travel. To be dodge 131167 bearing in 400-9 frame, Seal Master STH 24-18 frame with bearing. Bearings to have grease leads run to manifold at rear.

Grease Manifold: Grease lead manifold to include leads for conveyor idler shaft. Manifold to be accessible from ground level at rear of truck. To be 1/4" minimum i.d., non-corrosive tubing.

Conveyor Drive: To be cast iron gear box with 50:1 reduction, oil bath, with antifriction bearings on input and output shafts and direct coupled motor. Gear box cover to be rotated one bolt hole to rear so that oil level check keeps oil level above bearing race.

Hydraulic Drive: Motor to be Char-Lynn 101-1027-007-38-7 or equal.



Spinner: Spinner to be abrasion resistant steel, minimum diameter 18 in. with 6 radial, abrasion resistant steel, replaceable fins. Hydraulic motor to be CharLynn 101-1319-0070-41-7 located above disc.

Grease leads to be run to grease manifold at rear of hopper.

Spinner chute to have adjustable deflector on each side and front (truck side) in chute. Spinner chute to discharge to center of spinner. Spinner to be 30 to 36 in. below truck bed floor. Spinner to be attached to motor shaft by 3/8 inch through bolt and elastic lock nut.

Hoses: Hydraulic hose to be SAE 100R1 with crimped fittings. Hoses are to be run from motors to bulkhead fittings at one location on lower right rear of spreader. Hoses are to be clamped to prevent chaffing and accumulation of ice.

Five ft. hoses will be connected to the bulkhead fittings and have quick couplers as follows or interchangeable equal:

Conveyor pressure - Parker FF-751-12FP with #12 hose.

Spinner pressure - Parker FF-752-12FP with #12 hose.

Combined return - Parker FF1001-16FP with #16 hose.

Lights: To have amber light bar with 2 rotating elements (9200 Star). Light bar to be mounted near center at rear of sander, with protective cover over light bar. (See drawing page 8). Must be able to service and repair without removing light bar.

To have white light located to illuminate spreader discharge on left side. Light to have 12 ga. cylindrical shield held in place by pivot bolt. Shield to extend 3 inches below light. Light/shield assembly to have mounting that provides adjustment in two directions.

Wiring: Wiring from lights to junction box at lower left rear to be Betts snap seal system. Wiring to be clamped to prevent chaffing, with no sharp bends, with moisture proof connection.

To have seven foot, 7 conductor, 14 gauge (minimum) corrosion resistant molded type cable with molded plug, from junction box to truck chassis. To be "Bob-Tail Products" phone (403) 272-0318 or approved equal, wired per attached drawing.

Paint: The spreader will be either Powder Coat or Emeron paint. Powder coat is preferred. Powder coat to have a minimum of 2 mills of paint and Emeron paint to have a minimum of 4 mills of paint.

If Emeron Painted, vendor will use paint in accordance with paint manufacture specifications. Paint color to match a 1999 International paint code 0311 Sikkens Omaha Orange. Paint process will be approved at paper pilot. 24 cans of touch up paint required with this order. (Aerosol)

Identification: Each unit shall have a metal tag permanently attached to upper left of rear, below



rear spill guard, with the following information: manufacturer's name, year of manufacture, model number and serial number. The unit number is to be applied by welding directly to metal. Unit numbers will be specified on purchase order when issued.

Hydraulic: All hydraulic fittings shall be properly designed for the use, for which they are being used on the spreaders. They will be high pressure fittings made of corrosion resistant materials and readily available on the market when necessary for repairs and replacement. No galvanized or black pipe is acceptable.

Option: Stainless steel spreader (304) and (409).

Option Price: (304) \$2,235.10 (409) \$1,993.05

Option: Hydraulic pre-wetting de-icing system, to be Pre-Wetting capable of maintaining a consistent ratio of liquid System calcium chloride to a pre-determined granular deicing material output. The system will operate in connection with ground speed oriented spreader controls, providing a chemical flow at vehicle speed under 50 mph. The de-icing system's tank are to be mounted o the V-Box spreader so as not to interfere with the loading and unloading of the spreader on the truck's. The hydraulic system housing is mounted so as to be easily accessible during operation, and is connected to the truck hydraulic system via two hoses and Hansen 6H31 fittings. The chemical pump outlet is connected to the fixed spray nozzles by nylon re-enforced PVC hose. To allow for proportional calcium chloride adjustments. The have two (2) approximately 70 gallon saddle tanks, constructed of H.O.P.E. and UV stabilized. The tank to have anti-slosh baffles. Tank is to be properly vented. To have 4 brass nozzles designed to maintain a 120 degree fan spray throughout the system's chemical flow rate.

To have an easy removable filter on system.

To have a low level indicator light inside the cab, and an automatic pump shut off to prevent pump failure when out of liquid.

Plumbing to be able to fill tanks from the top through a 4" minimum fill cap and to fill units from the bottom of the tanks through the drain valve. Plumbing to withstand a 50 gpm pump. Quick couplers for easy hookup and disconnect. Filling process to fill tanks separate or together form one side. Crossover pipe large enough to fill both tanks approximately at the same level when filling.

Training: The vendor will provide two days of training in two locations in the State of Utah.

Paint and Service: The servicing and supplying of parts for maintenance should be available in the Salt Lake City area. Consideration of this serviceability will be made before awarding the purchase order.

Delivery; Delivery must include the following:
S dealers invoice



- S** a copy of warranty
- S** operators manual for each unit including, parts list, repair manual

Cost of these manuals to be included in bid price.

Invoices will not be approved for payment until documentation and manuals have been received.

Reports:

The contractor will submit yearly reports to the State Purchasing Agent (Debbie Gundersen) showing quantities and dollar volume of purchases by each agency and political subdivision. This report will be due by 7/15/00.

FINET COMMODITY CODE(S): FOR AGENCY USE ONLY

76566000000 - SPREADERS, TRUCK MOUNTED (FOR AGGREGATES, ICE
CONTROL MATERIALS, SEAL COATINGS, ETC.)



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